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Search History

DATE: Monday, April·05, 2004   <u>Printable Copy</u>   <u>Create Case</u>

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DB=USPT; PLUR=YES; OP=OR			
<u>L59</u>	5546311.pn.	1	<u>L59</u>
<u>L58</u>	5570087.pn.	1	<u>L58</u>
<u>L57</u>	5983161.pn.	1	<u>L57</u>
<u>L56</u>	5408411.pn.	1	<u>L56</u>
<u>L55</u>	5572449.pn.	1	<u>L55</u>
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
<u>L54</u>	"navagation technologies".as.	2	<u>L54</u>
<u>L53</u>	L51 and gps near system	1	<u>L53</u>
<u>L52</u>	L51 and travel near rout$	0	<u>L52</u>
<u>L51</u>	"driessen"$.in.	414	<u>L51</u>
<u>L50</u>	"dreissen"$.in.	18	<u>L50</u>
<u>L49</u>	L48 and informati$ near query	19	<u>L49</u>
<u>L48</u>	travel near route	2706	<u>L48</u>
<u>L47</u>	705.clas.	26095	<u>L47</u>
<u>L46</u>	709.clas.	27596	<u>L46</u>
<u>L45</u>	707.clas.	19723	<u>L45</u>

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L19	707/5	2866	L19
L18	707/4	3495	L18
L17	707/3	6064	L17
L16	707/2	3733	L16
L15	707/1	6192	L15
L14	L13 and information	62	L14
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L10	travel near navigation near system	14	L10
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L6	L5 and query	3585	L6
L5	(gps or "global positioning system")	411837	L5
L4	L3 and travel near route	7	L4

L3	L2 and mobile near user	129	L3
L2	L1 and search	1820	L2
L1	information near query	3015	L1

END OF SEARCH HISTORY

Hit List

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 5572449 A

L55: Entry 1 of 1   File: USPT   Nov 5, 1996

US-PAT-NO: <u>5572449</u>
DOCUMENT-IDENTIFIER: US 5572449 A
** See image for <u>Certificate of Correction</u> **

TITLE: Automatic vehicle following system

DATE-ISSUED: November 5, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tang; Qing	Storrs	CT		
Wang; Wei-Ping	Storrs	CT		
Gan; Zhongxue	Storrs	CT		
Zhang; Ruiming	Storrs	CT		
Moh; John	Freshmeadows	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
VI&T Group, Inc.	Freshmeadows	NY			02

APPL-NO: 08/ 245865   [PALM]
DATE FILED: May 19, 1994

INT-CL: [06] <u>B60</u> <u>T</u> <u>7/16</u>

US-CL-ISSUED: 364/565; 364/426.01, 364/424.01, 364/426.04, 180/271, 180/170,
340/903
US-CL-CURRENT: <u>700/304</u>; <u>180/170</u>, <u>180/271</u>, <u>340/903</u>, <u>701/70</u>, <u>702/149</u>

FIELD-OF-SEARCH: 364/424.01, 364/449, 364/426.01, 364/565, 364/566, 364/461,
364/426.04, 364/468, 364/424.05, 340/990, 340/992, 340/903, 340/904, 342/455,
123/349, 123/350

PRIOR-ART-DISCLOSED:

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL

3952301	April 1976	Sorkin	343/7VM
4361202	November 1982	Minovitch	180/168
4621705	November 1986	Etoh	180/169
4622636	November 1986	Tachibana	364/424
4628317	December 1986	Nishikawa et al.	340/903
4703429	October 1987	Sakata	364/426
4706195	November 1987	Yoshino et al.	364/426
4791570	December 1988	Sherman et al.	364/436
4855822	August 1989	Narendra et al.	358/103
4893240	January 1990	Karkouti	364/424.05
4962457	October 1990	Chen et al.	364/443
5039217	August 1991	Maekawa et al.	364/424.01
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5173859	December 1992	Deering	364/424.01
5222024	June 1993	Orita et al.	364/468
5223844	June 1993	Mansell et al.	342/357
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5311431	May 1994	Cao et al.	364/424.05
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5369591	November 1994	Broxmeyer	364/461

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Shladover et al., "Automatic Vehicle Control Developments in the PATH Program", IEEE, pp. 114-129, 1991.
"Automated Highway Studies at The Ohio State University--An Overview", IEEE Transactions On Vehicular Technology, vol. 40, No. 1, Feb. 1991, pp. 100-113.
"An Overview of Systems Studies of Automated Highway Systems", IEEE Transactions On Vehicular Technology, vol. 40, No. 1, Feb. 1991, pp. 82-99.
"Smart Cars on Smart Roads: Problems of Control", IEEE Transactions on Automatic Control, vol. 38, No. 2, Feb. 1993, pp. 195-207.
"Automatic Vehicle Control Developments in the Path Program", IEEE Transactions On Vehicular Technology, vol. 40, No. 1, Feb. 1991, pp. 114-129.
"Visual Control of an Autonomous Vehicle (BART)--The Vehicle-Following Problem", IEEE Transactions On Vehicular Technology, vol. 40, No. 3, Aug. 1991, pp. 654-662.

ART-UNIT: 234

PRIMARY-EXAMINER: Teska; Kevin J.

ASSISTANT-EXAMINER: Phan; Thai

ATTY-AGENT-FIRM: McCormick, Paulding & Huber

ABSTRACT:

An automatic vehicle following system is provided for controlling a following
vehicle to maintain at least a predetermined distance behind a preceding vehicle
and to substantially follow the path of the preceding vehicle. An on-line
measurement system of the preceding vehicle generates signals indicative of the
velocity (having speed and directional components) of the preceding vehicle, and a
communication system transmits the velocity signals to the following vehicle. The
following vehicle likewise has a communication system for receiving the signals
from the preceding vehicle, and an on-line measurement system for providing signals
indicative of the velocity of the following vehicle and signals indicative of the
distance between the two vehicles. A signal processing system of the following
vehicle is coupled to the communication system and on-line measurement system for
estimating motion trajectory of the preceding vehicle based on the difference in
the velocities of the preceding and following vehicles and the following distance.
A control system generates control signals and takes action so as to perform speed
control and maintain at least a predetermined safe following distance between the
two vehicles, and steering control to substantially follow the path of the
preceding vehicle.

26 Claims, 3 Drawing figures

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

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Terms	Documents
5572449.pn.	1

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L4: Entry 7 of 7   File: USPT   Sep 7, 1999

US-PAT-NO: 5948040
DOCUMENT-IDENTIFIER: US 5948040 A

TITLE: Travel reservation information and planning system

DATE-ISSUED: September 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
DeLorme; David M.	Yarmouth	ME		
Gray; Keith A.	Dresden	ME		
Ferguson; T. Angus	Portland	ME		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
DeLorme Publishing Co.	Yarmouth	ME			02

APPL-NO: 08/ 797471   [PALM]
DATE FILED: February 6, 1997

PARENT-CASE:
CROSS-REFERENCE TO RELATED APPLICATIONS This patent application is a continuation-
in-part (CIP) of the David M. DeLorme et al. U.S. patent application Ser. No.
08/661,600 filed Jun. 11, 1996, for COMPUTER AIDED ROUTING AND POSITIONING SYSTEM,
now U.S. Pat. No. 5,802,492 which is a CIP of the David M. DeLorme et al. U.S.
patent application Ser. No. 08/381,214 filed Jan. 31, 1995 for COMPUTER AIDED
ROUTING SYSTEM, now U.S. Pat. No. 5,559,707, issued Sep. 24, 1996, which is a CIP
of the David M. DeLorme et al. U.S. patent application Ser. No. 08/265,327 filed
Jun. 24, 1994 for COMPUTER AIDED MAP LOCATION SYSTEM now abandoned. This patent
application is also a CIP of the Keith A. Gray U.S. patent application Ser. No.
08/521,828 filed on Aug. 31, 1995, for COMPUTERIZED ADDRESS LOCATION AND
COMMUNICATION SYSTEM now abandoned. All of the cross-referenced applications have a
common assignee who is the assignee of the present application. The contents of
these related patent applications are incorporated herein by reference.

INT-CL: [06] G06 F 19/00, G01 C 21/00

US-CL-ISSUED: 701/201; 701/208, 701/211, 340/990, 705/5
US-CL-CURRENT: 701/201; 340/990, 701/208, 701/211, 705/5

FIELD-OF-SEARCH: 701/201, 701/202, 701/207, 701/208, 701/209, 701/211, 701/212,
701/213, 705/5, 705/6, 340/988, 340/989, 340/990, 340/995

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected | Search ALL | Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4359631	November 1982	Lockwood et al.	360/12
☐	4862357	August 1989	Ahlstrom et al.	705/6
☐	4926336	May 1990	Yamada	364/444
☐	5021953	June 1991	Webber et al.	705/6
☐	5172321	December 1992	Ghaem et al.	701/202
☐	5191523	March 1993	Whitesage	705/6
☐	5208756	May 1993	Song	364/449
☐	5231584	July 1993	Nimura et al.	364/444
☐	5237499	August 1993	Garback	705/5
☐	5243528	September 1993	Lefebvre	701/211
☐	5253166	October 1993	Dettebach et al.	705/5
☐	5272638	December 1993	Martin et al.	701/202
☐	5331546	July 1994	Webber et al.	705/6
☐	5353034	October 1994	Sato et al.	340/988
☐	5359527	October 1994	Takanabe et al.	364/449
☐	5369588	November 1994	Hayami et al.	701/209
☐	5422809	June 1995	Griffin et al.	705/5
☐	5444618	August 1995	Seki et al.	364/420
☐	5519619	May 1996	Seda	701/201
☐	5537324	July 1996	Nimura et al.	364/449
☐	5587911	December 1996	Asano et al.	364/444.2
☐	5724520	March 1998	Goheen	705/5

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Makulowich, John, "Traveling by Virtual Reservation," Washington Technology, Jan. 23, 1997, p. 42.
Knecht, Bruce, G., "Microsoft Puts Newspapers in Highanxiety.com," The Wall Street Journal, Jul. 15, 1996, pp. B1, B10.
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DelRosso, Laura, "Firm Customizes Internet Res Link," Travel Weekly, vol. 55, No. 26, Apr. 1, 1996, pp. 43-44, 47.
"Casto Travel's Resource Library," www.casto.com.
"Sunnyside Computing, Inc.," www.itn.net.

ART-UNIT: 361

PRIMARY-EXAMINER: Nguyen; Tan

ATTY-AGENT-FIRM: Atwood; Pierce Caseiro; Chris A.

ABSTRACT:

Computerized travel reservation information and planning system that generates "map ticket" output in various media, for guidance and transactions en route. Such print or electronic documents can include bar or alphanumeric codes for automated recognition and/or access. WHERE?, WHO/WHAT?, WHEN? and HOW? menus enable flexible user inquiries accessing selectable geographic, topical, temporal and transactional data records and relational processing. Sub-menus provide further capabilities: e.g. routing, topical searching; searches of events calendars, almanacs, appointment books, related itinerary scheduling; trip budgeting issues, plus travel arrangement availabilities or other goods/services offers. Online communications links access updated or supplemental information on places, times, topics and other provider goods/service offers. Online computer-aided routing system enables input of selectable travel origin, destination, and waypoints to compute travel routes, available transportation services, costs, options, and schedules. A point-of-interest database lets users pick types of attractions or accommodations within a user-selected region around routes of travel. Users engage in an iterative planning process, revising or editing travel plans, previewing travelogs of alternate routes, selecting point of interest parameters, comparing times and costs of transportation options, in order to achieve a satisfactory travel plan. The system provides printed or electronic output that may include any one or more of text itinerary, ordered set of travel maps, customized collection of information on points of interest information and a selected array of valid reservation confirmations, tickets and/or discount coupons coded with elements for automated recognition and processing. Mobile users, including GPS-linked users, can access the system via wireless communication units.

80 Claims, 16 Drawing figures

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L14: Entry 56 of 62   File: USPT   May 26, 1998

US-PAT-NO: 5758281
DOCUMENT-IDENTIFIER: US 5758281 A

TITLE: Personal communications service using wireline/wireless integration

DATE-ISSUED: May 26, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Emery; Mark J.	Herndon	VA		
Tucker; Brenda N.	Mitchellville	MD		
Schwartz; Laurie D.	Garrett Park	MD		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Bell Atlantic Network Services, Inc.	Arlington	VA			02

APPL-NO: 08/ 471037   [PALM]
DATE FILED: June 6, 1995

PARENT-CASE:
This application is a continuation of U.S. application Ser. No. 08/229,891, filed
Apr. 19, 1994, pending, which is a division of U.S. application Ser. No.
07/845,924, filed Mar. 5, 1992, now U.S. Pat. No. 5,353,331. TECHNICAL FIELD The
present invention relates to a personal communication service allowing a user to
send and receive calls from a single portable handset using a single assigned
number whether at home or roaming. The present invention provides method and system
structures for interfacing the capabilities of a land line telephone system with a
radio link communication system, using a land line Advanced Intelligent Network
(AIN). In particular, the new system would control the provision of private network
service features to users of both radio link systems and land line systems to
provide unbroken, or seamless, access to a variety of different types of
communications systems linked to the inventive system. Acronyms The written
description uses a large number of acronyms to refer to various services and system
components. Although known, use of several of these acronyms is not strictly
standardized in the art. For purposes of this discussion, acronyms therefore will
be defined as follows: Action Control Point (ACP) Advanced Intelligent Network
(AIN) Advanced Services Platform (ASP) Authentication Center (AC) Base Station (BS)
Cellular Subscriber Station (CSS) Common Channel Inter-office Signalling (CCIS)
Dual Tone Multifrequency (DTMF) Data and Reporting System (D&RS) Equipment Identity
Register (EIR) Home Location Register (HLR) Integrated Service Control Point (ISCP)
Intelligent Peripheral (IP) Local Access and Transport Area (LATA) Low-Power Self
Contained Cell (LPSC) Mobile Identification Number (MIN) Mobility Controller (MC)
Mobile Switching Center (MSC) Mobile Telephone Switching Office (MTSO) Overhead
Message Train (OMT) Personal Base Station (PBS) Personal Communication Service
(PCS) Plain Old Telephone Service (POTS) Private Branch Exchange (PBX) Private
Automatic Branch Exchange (PABX) Public Switched Telephone Network (PSTN) Service
Control Point (SCP) Service Management System (SMS) Service Switching Point (SSP)

Signalling Transfer Point (STP) Station Message Detail Recording (SMDR) Service Creation Environment (SCE) Telephone Company (TELCO) Temporary Local Directory Number (TLDN) Transaction Capabilities Applications Protocol (TCAP) Visitor Location Register (VLR) Wireless Private Branch Exchange (WPBX)

INT-CL: [06] H04 M 11/00, H04 M 15/00, H04 M 3/42, H04 M 7/00

US-CL-ISSUED: 455/428; 455/433, 455/435, 379/115, 379/207, 379/220, 379/229
US-CL-CURRENT: 455/428; 379/114.28, 379/221.02, 379/221.08, 379/229, 379/230, 455/433, 455/435.1

FIELD-OF-SEARCH: 379/58, 379/59, 379/60, 379/61, 379/62, 379/207, 379/219, 379/220, 379/229, 379/230, 379/111, 379/112, 379/113, 379/114, 379/115, 455/33.1, 455/33.2, 455/54.1, 455/422, 455/428, 455/433, 455/435, 455/445, 455/517, 455/560, 455/561

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected] [Search ALL] [Clear]

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	4178476	December 1979	Frost	
☐	4191860	March 1980	Weber	
☐	4313035	January 1982	Jordan et al.	
☐	4562572	December 1985	Goldman et al.	
☐	4611094	September 1986	Asdmuth	
☐	4611096	September 1986	Asmuth	
☐	4654879	March 1987	Goldman et al.	
☐	4658416	April 1987	Tanaka	
☐	4680785	July 1987	Akiyama et al.	
☐	4698839	October 1987	DeVaney et al.	
☐	4737978	April 1988	Burke et al.	
☐	4737983	April 1988	Frauenthal	
☐	4748655	May 1988	Thrower et al.	
☐	4748681	May 1988	Schmidt	
☐	4752951	June 1988	Konneker	
☐	4756020	July 1988	Fodale	
☐	4757267	July 1988	Riskin	
☐	4761806	August 1988	Toki	
☐	4765753	August 1988	Schmidt	
☐	4771448	September 1988	Koohgoli et al.	
☐	4775997	October 1988	West , Jr. et al.	
☐	4775999	October 1988	Williams	

☐	4788718	November 1988	McNabb	
☐	4802220	January 1989	Marker	
☐	4825349	April 1989	Marcel	
☐	4827500	May 1989	Binkerd et al.	
☐	4852148	July 1989	Shibata et al.	
☐	4866703	September 1989	Black et al.	
☐	4876738	October 1989	Selby	379/60
☐	4878238	October 1989	Rash et al.	
☐	4878243	October 1989	Hashimoto	
☐	4881271	November 1989	Yamauchi	
☐	4883701	November 1989	Comroe	
☐	4899373	February 1990	Lee et al.	
☐	4901340	February 1990	Parker et al.	
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☐	4922517	May 1990	West	
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☐	4932042	June 1990	Baral et al.	
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☐	4972460	November 1990	Sasuta	379/60
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☐	4987587	January 1991	Jolissaint	
☐	4989230	January 1991	Gillig	379/59
☐	4996715	February 1991	Marui et al.	
☐	5014269	May 1991	Picandet	
☐	5020093	May 1991	Pireh	
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☐	5029163	July 1991	Chao et al.	
☐	5040177	August 1991	Martin et al.	
☐	5067147	November 1991	Lee	
☐	5068889	November 1991	Yamashita	
☐	5077790	December 1991	D'Amico	379/62
☐	5090050	February 1992	Heffernan	
☐	5090051	February 1992	Muppidi et al.	
☐	5097499	March 1992	Cosentino	379/59
☐	5105197	April 1992	Clagett	
	5109400	April 1992	Patsiokas et al.	

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☐	5117450	May 1992	Joglekar	
☐	5117502	May 1992	Onoda et al.	
☐	5119482	June 1992	Lloyd	
☐	5127042	June 1992	Gillig et al.	
☐	5127100	June 1992	D'Amico et al.	
☐	5136636	August 1992	Wegrzynowicz	
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☐	5144649	September 1992	Zicker et al.	
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☐	5157709	October 1992	Ohteru	
☐	5179721	January 1993	Comroe et al.	
☐	5197092	March 1993	Bamburak	
☐	5200957	April 1993	Dahlin	
☐	5210785	May 1993	Sato et al.	
☐	5210786	May 1993	Itoh	
☐	5210787	May 1993	Hayes et al.	
☐	5212684	May 1993	MacNamee	379/61
☐	5216703	June 1993	Roy	
☐	5222123	June 1993	Brown	
☐	5222248	June 1993	McDonald	455/33.2
☐	5237603	August 1993	Yamagata	379/61
☐	5237612	August 1993	Raith	
☐	5247571	September 1993	Kay et al.	379/207
☐	5251248	October 1993	Tokunaga et al.	379/207
☐	5257406	October 1993	Ito	379/60
☐	5259018	November 1993	Grimmet et al.	
☐	5260987	November 1993	Mauger	
☐	5272747	December 1993	Meads	
☐	5282244	January 1994	Fuller	379/230
☐	5301357	April 1994	Thompson	379/59
☐	5311571	May 1994	Pickert	
☐	5311575	May 1994	Friedes et al.	
☐	5315636	May 1994	Patel	
☐	5325419	June 1994	Connolly	379/59
☐	5353331	October 1994	Emery et al.	379/58
☐	5361295	November 1994	Solomon	379/211
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☐	5386467	January 1995	Ahmad	
☐	5418866	May 1995	Morrisey	379/230
☐	5420910	May 1995	Rudokas	379/58
☐	5425090	June 1995	Orriss	379/230
☐	5430719	July 1995	Weisser, Jr.	
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☐	5448632	September 1995	Iyob et al.	
☐	5452350	September 1995	Reynolds	
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☐	5513250	April 1996	McAllister	379/230

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"AIN 0.1 Switching Requirements", TR-NW T-001284, BellCore Publication.
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ART-UNIT: 265

PRIMARY-EXAMINER: Kuntz; Curtis

ASSISTANT-EXAMINER: Shankar; Vijay

ATTY-AGENT-FIRM: Lowe, Price, LeBlanc & Becker

ABSTRACT:

The Advanced Intelligent Network (AIN) wireline system connects to and controls processing of calls to a Personal Communication Service subscriber's wireless handset via a home base station or a wireless communication network. Depending on its current location, the subscriber's handset automatically registers with the base station or with a mobility controller of the wireless network. A new registration with the base station when the handset comes within range causes that station to update the subscriber's home location register in a central data base of the AIN. Similarly, when a handset first registers with a mobility controller, that controller updates the subscriber's home location register in the central data base of the AIN. In response to calls directed to the subscriber, the AIN accesses the home location register to determine the current location where the handset is registered. The AIN then uses that data to route the call to the current location. In response to calls from the handset, the central data base provides instruction data to the land line network and/or a mobility controller to extend a requested special service to the calling subscriber.

24 Claims, 9 Drawing figures